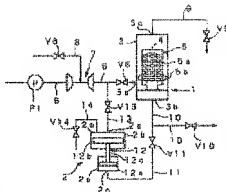


Patent number: JP1001168 (A)  
 Publication date: 1998-03-03  
 Inventor(s): UHARA MASARU SHIMONO TATSUJI  
 Applicant(s): MITSUBISHI RAYON CO.  
 Classification:  
   - international: **B01D63/02, B01D65/00, B01D63/02, B01D65/00, (IPC1-7) B01D63/02, B01D65/00**  
   - european:  
 Application number: JP19970039517, 19970224  
 Priority number(s): JP19970039517, 19970224

**PROBLEM TO BE SOLVED:** To provide the high cleaning effect without using power by pressurizing a gas-liquid mixed fluid prepared by mixing a stock solution with air and feeding the same into an outer container and carrying out the bubbling process for vibrating a filter medium for a filter in the case of cleaning a filter having the filter medium used for a wastewater treatment. **SOLUTION:** In the case of cleaning a hollow fiber membrane 4, the back wash process is carried out first. A filtrate is introduced into a cylinder 2a and a double acting piston 12 is moved to the side of a cylinder 2b, and the filtrate in the hydraulic regenerating state is stored in the cylinder 2a. Then a piston 2c of a stock solution in an outer container 3 is moved to the side of a pipeline 9, and the stock solution is introduced into a cylinder 4a of a hollow fiber membrane 4 of the filtrate 1, and an effluent containing released deposits are discharged out of the pipeline 9. Then, air is fed from an ejector 7 in the bubbling process, and a mixed fluid with stock solution is prepared and drained out of the pipeline 9. At that time, the hollow fiber membrane 4 is vibrated by the bubbling process. The bubbling process in which the mixed fluid is flowed up in a cylindrical cover 5 to accelerate the release of deposits.



Data supplied from the **espacenet** database — Worldwide